



Missouri Weekly Influenza Report

2007-2008 Season¹

Missouri is reporting “Sporadic” to the CDC for Week 1².

To view influenza maps click [here](#). Each map will give county data by placing the cursor over the county.

Table 1. Reported Laboratory cases by sub-type for the Week ending January 5, 2008 (Week 1)

| Serogroups | A (non-typed) | A (H1) | A (H1N1) | A (H3) | B | A or B Untyped (rapid test) | Total |
|------------|------------------|-----------|-------------|-----------|---|--------------------------------|-------|
| Week 1 | 52 | 0 | 0 | 0 | 3 | 4 | 59 |

59 cases by rapid non-culture diagnostic test have been reported for week 1.

**Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type
Through Week Ending January 5, 2008 (Week 1)**

| Influenza Type | 2007-08 Season | 5-Season Median | Percent Change from 5-Season Median |
|------------------------------|-------------------|--------------------|---|
| Influenza A | 311 | 314 | (1.0%) |
| Influenza B | 40 | 86 | (53.5%) |
| Influenza Unknown Or Untyped | 19 | 390 | (95.1%) |
| Total | 370 | 533 | (30.6%) |

**Table 3. Influenza Season-to-Date and
5-season Median by Age Group
Through Week Ending January 5, 2008 (Week 1)**

| Age Group | 2007-08 Count | 5-Season Median | Percent Change from 5-Season Median |
|--------------|------------------|--------------------|---|
| 00-<02 | 41 | 57 | (28.1%) |
| 02-04 | 47 | 55 | (14.5%) |
| 05-14 | 75 | 286 | (73.8%) |
| 15-24 | 50 | 47 | 6.4% |
| 25-49 | 95 | 135 | (29.6%) |
| 50-64 | 36 | 46 | (21.7%) |
| 65+ | 26 | 86 | (69.8%) |
| Total | 370 | 533 | (30.6%) |

**Table 4. Influenza Season-to-Date and
5-season Median by Region
Through Week Ending January 5, 2008 (Week 1)**

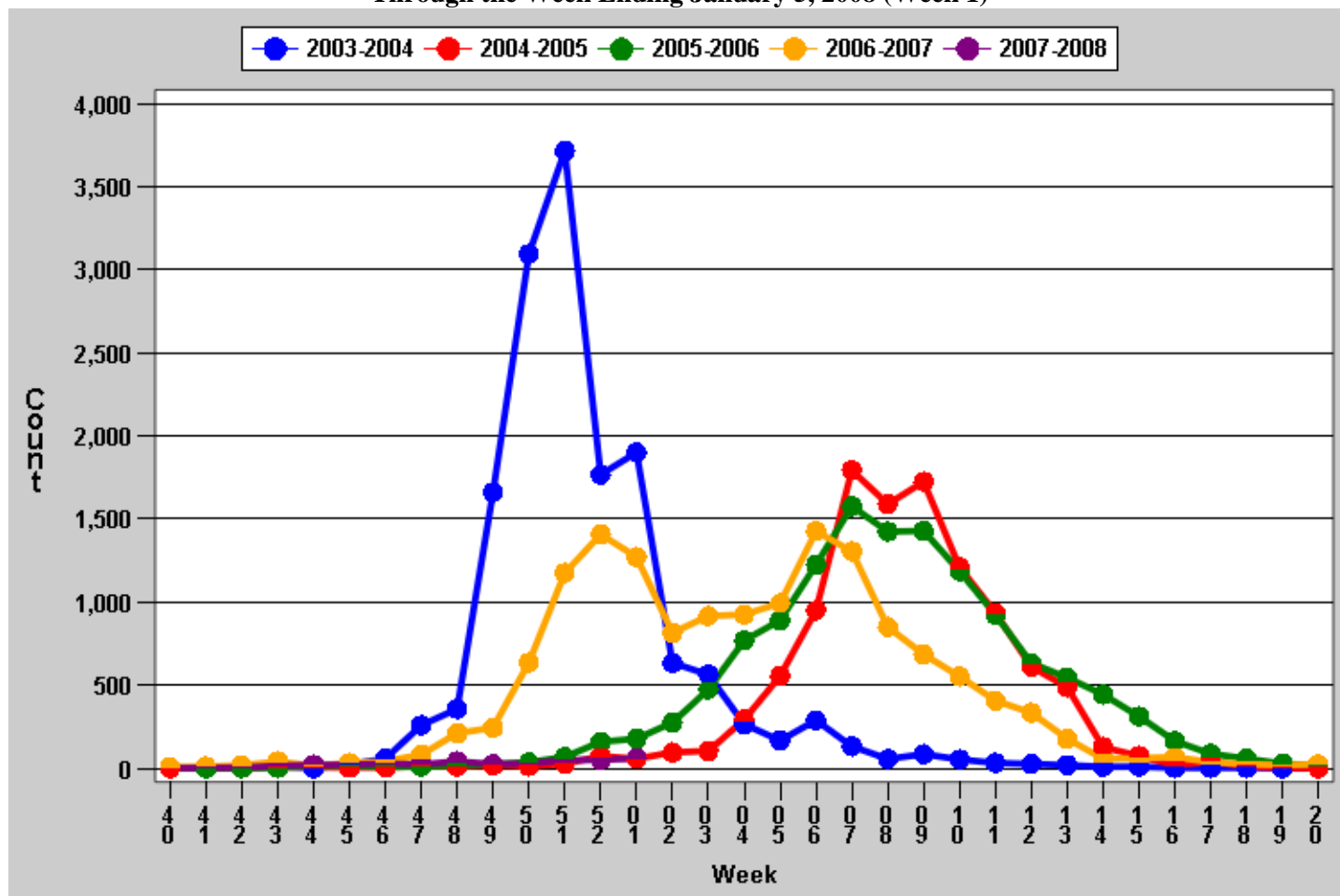
| Region | 2007-08 Count | 5-Season Median | Percent Change from 5-Season Median |
|--------|------------------|--------------------|--|
| CE | 21 | 121 | (82.6%) |
| EA | 49 | 143 | (65.7%) |
| NW | 23 | 358 | (93.6%) |
| SE | 12 | 10 | 20.0% |
| SW | 265 | 71 | 273.2% |
| Total | 370 | 533 | (30.6%) |

**Table 5. Deaths involving Pneumonia and Influenza (P&I)
Reported During the Week Ending December 29, 2007 (Week 52)***

| Week 52 | Season-to-Date | Week 52 Last Season | 5 Year Weekly Median |
|---------|----------------|---------------------|----------------------|
| 31 | 726 | 61 | 61 |

* Beginning in Week 35 of 2003, the number of P&I deaths became based on a new system of retrieval that now includes all contributing causes of death from death certificates.

**Graph 1. Influenza 2007-08 Season-To-Date as compared to the previous 4 influenza seasons
Through the Week Ending January 5, 2008 (Week 1)**



**Table 6. U.S. Influenza Sentinel Physicians Surveillance Network
Influenza-like Illness (ILI) for the Week Ending December 29, 2007 (Week 52)**

| Age 0-4 | Age 5-24 | Age 25-64 | Age 65+ | Total ILI Patients Seen | Total Patients Seen | Percent ILI* |
|---------|----------|-----------|---------|-------------------------|---------------------|--------------|
| 0 | 1 | 0 | 0 | 1 | 1189 | 0.08 |

*This is below the national baseline of 3.2%

**Table 7. Respiratory Specimens Submitted to SPHL for Viral Testing
Through the Week Ending January 5, 2008 (Week 1)***

| | Positive Influenza | Total Number Specimens Submitted |
|----------------|--------------------|----------------------------------|
| Week 1 | 0 | 3 |
| Season-to-Date | 1 | 36 |

*Number positives also represent past weeks specimens submitted.

Antigenic Characterization of Missouri Influenza Isolates submitted to CDC by the State Public Health

Laboratory: CDC antigenically characterizes a sample of positive Missouri influenza isolates, submitted through the Missouri Department of Health and Senior Services (DHSS), State Public Health Laboratory (SPHL).

Results Received from CDC: As results become available during the season, detailed information will be included here.

Clusters/Outbreaks of Influenza-like Illness: No school closings have been reported for week 1 of current or last season. No outbreaks have been reported for week 1 of current or last season.

Data Sources: Laboratory-confirmed cases are reported to DHSS through the passive communicable disease surveillance system. Suspected influenza clusters and outbreaks are reported through the active surveillance system. Pneumonia and influenza deaths are reported through the DHSS Bureau of Vital Records. Influenza-like illness data by age category and total number of patient visits by week are reported voluntarily by participants in the U.S. Influenza Sentinel Physicians Surveillance Network.

Find Us on the Web

This report may also be found on the DHSS Internet at: www.dhss.state.mo.us/Influenza/index.html.

National influenza surveillance information is available from the Centers for Disease Control and Prevention at: www.cdc.gov/ncidod/diseases/flu/weekly.htm.

Contact Us

The Missouri Department of Health and Senior Services after hour's number for reporting disease cases and emergencies is **1-800-392-0272**.

¹ *All data in this report are provisional and may change as reports are updated.*

² *Influenza activity codes are reported to CDC each Monday.*